| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|---|---|---------------------|---------|------------------|
| S1 | 143 | (optic\$4 near5 (sensor\$3 sens\$3)) and (well near3 logging) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:06 |
| S2 | 9909 | (light optic\$2) with (transmit\$4 transmission propagat\$4) with quality | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 20:12 |
| S3 | 1 | S1 and S2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/14 11:23 |
| S4 | 420 | (light optic\$2) with (transmit\$4 transmission propagat\$4) with quality with monitor\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/14 11:28 |
| S5 | 18769 | (optic\$2 near1 fiber) with well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/14 11:28 |
| S6 | 25 | S4 and S5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/14 11:28 |
| S7 | 7887 | (optic\$2 near3 cable) same well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:06 |
| S8 | 6510 | (optic\$2 near3 cable) with (deliver\$4 convey\$4 install\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:08 |

| | 1 | | | | | |
|-------------|------|--|---|----|-----|------------------|
| S9 | 1258 | S7 and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:07 |
| S10 | 532 | S7 same S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:07 |
| S11 | 2178 | (optic\$2 near3 cable) with (deliver\$4 convey\$4 install\$5) same connect\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:08 |
| S12 | 450 | S7 and S11 | US-PGPUB; USPAT; ÚSOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:09 |
| S13 | 37 | S7 same S11 and (well near5 (drill\$4 log\$4 dig\$4 pack\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:21 |
| S15 | 8 | (("6,766,853") or ("6,684,950") or ("6,017,227") or ("4,756,595") or ("6,666,274") or ("20040173350") or ("20020125008") or ("20030213598")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/01/31 20:24 |
| S16 | 18 | (("6,478,091") or ("6,527,052") or ("4,483,584") or ("4,887,883") or ("5,645,483") or ("6,758,272") or ("20040256137") or ("5,505,260") or ("6,837,310") or ("6,758,271") or ("6,281,489") or ("4,690,212") or ("6,006,828") or ("20050109518") or ("20040065439") or ("20040256127") or ("20020125008") or ("20030141075")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/01/31 20:26 |
| S17 | 9 | (("4,442,893") or ("4,375,237") or ("5,577,925") or ("4,921,438") or ("4,624,309") or ("4,757,859") or ("4,825,946") or ("4,828,027") or ("4,846,269")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/01/31 20:29 |

| S18 | 1 | ("6684950").PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/01 10:18 |
|-----|-------|---|---|----|-----|------------------|
| S19 | 8254 | halliburton.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:30 |
| S20 | 10821 | schlumberger.as. | US-PGPUB; USPAT; USOCR; ÉPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/31 20:30 |
| S21 | 137 | (S19 S20) and (optic\$2 near3 cable) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 09:32 |
| S22 | 5 | (assembly and convey and well and optic\$2 and connect\$4).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 09:34 |
| S23 | 9 | (assembly and convey and well and optic\$2).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 09:35 |
| S24 | 4 | S23 not S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 09:34 |
| S25 | 138 | (assembly and convey\$3 and well and optic\$2).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 09:35 |
| S26 | 8254 | halliburton.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 09:35 |

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|-----|-------|--|---|----|-----|------------------|
| S27 | 2 | S25 and S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 09:35 |
| S28 | 1 | ("6758272").PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/01 10:40 |
| S29 | 87 | well near3 (packing packed packs pack) same monitor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 10:41 |
| S30 | 187 | well near3 (packing packed packs pack) same monitor\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 10:42 |
| S31 | 72060 | monitor\$3 with optic\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 10:42 |
| S32 | 20 | S30 and S31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 11:40 |
| S33 | 5 | "5505944" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 11:40 |
| S34 | 5 | riordan.in. and westech.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/01 12:12 |

| S35 | 23 | (("6,464,405") or ("6,439,778") or ("6,332,787") or ("5,803,167") or ("6,684,950") or ("6,332,787") or ("6,186,229") or ("4,134,455") or ("5,727,630") or ("6,378,610") or ("6,302,203") or ("5,947,198") or ("5,251,708") or ("6,062,073") or ("5,831,156") or ("6,568,481") or ("5,645,438") or ("6,736,545") or ("5,778,978") or ("6,349,770") or ("5,048,610") or ("20030192708") or ("20020014340")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/01 12:12 |
|-----|--------|---|---|----|-----|------------------|
| S36 | 8 | (("6,766,853") or ("6,684,950") or ("6,017,227") or ("4,756,595") or ("6,666,274") or ("20040173350") or ("20020125008") or ("20030213598")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/01 12:12 |
| S37 | 18 | (("6,478,091") or ("6,527,052") or ("4,483,584") or ("4,887,883") or ("5,645,483") or ("6,758,272") or ("20040256137") or ("5,505,260") or ("6,837,310") or ("6,758,271") or ("6,281,489") or ("4,690,212") or ("6,006,828") or ("20050109518") or ("20040065439") or ("20040256127") or ("20020125008") or ("20030141075")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/01 12:12 |
| S38 | 9 | (("4,442,893") or ("4,375,237") or ("5,577,925") or ("4,921,438") or ("4,624,309") or ("4,757,859") or ("4,825,946") or ("4,828,027") or ("4,846,269")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/01 12:12 |
| S39 | 55 | S35 S36 S37 S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 20:59 |
| S40 | 89032 | (well near3 (drill\$4 logg\$3)) wellbore (well adj1 bore) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 15:00 |
| S41 | 280596 | ((drill\$4 logg\$3)) and (well wellbore (well adj1 bore)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 20:17 |

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|-----|-------|--|---|----|-----|------------------|
| S42 | 70982 | S40 and S41 | US-PĞPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 20:17 |
| S43 | 4760 | (optic\$2 near1 fiber) same ((temperature thermal thermo) near3 sens\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 20:18 |
| S44 | 189 | S42 and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 20:21 |
| S45 | 2 | "5570437".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 20:21 |
| S46 | 23 | (("6,464,405") or ("6,439,778") or ("6,332,787") or ("5,803,167") or ("6,684,950") or ("6,332,787") or ("6,186,229") or ("4,134,455") or ("5,727,630") or ("6,378,610") or ("6,302,203") or ("5,947,198") or ("5,251,708") or ("6,062,073") or ("5,831,156") or ("6,568,481") or ("5,645,438") or ("6,736,545") or ("5,778,978") or ("6,349,770") or ("5,048,610") or ("20030192708") or ("20020125008") or ("20020014340")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/13 20:58 |
| S47 | 23 | (("6,464,405") or ("6,439,778") or ("6,332,787") or ("5,803,167") or ("6,684,950") or ("6,332,787") or ("6,186,229") or ("4,134,455") or ("5,727,630") or ("6,378,610") or ("6,302,203") or ("5,947,198") or ("5,251,708") or ("6,062,073") or ("5,831,156") or ("6,568,481") or ("5,645,438") or ("6,736,545") or ("5,778,978") or ("6,349,770") or ("5,048,610") or ("20030192708") or ("20020125008") or ("20020014340")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/13 20:59 |

| S48 | 8 | (("6,766,853") or ("6,684,950") or ("6,017,227") or ("4,756,595") or ("6,666,274") or ("20040173350") or ("20020125008") or ("20030213598")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/13 20:59 |
|-----|--------|--|---|----|-----|------------------|
| S49 | 18 | (("6,478,091") or ("6,527,052") or ("4,483,584") or ("4,887,883") or ("5,645,483") or ("6,758,272") or ("20040256137") or ("5,505,260") or ("6,837,310") or ("6,758,271") or ("6,281,489") or ("4,690,212") or ("6,006,828") or ("20050109518") or ("20040065439") or ("20040256127") or ("20020125008") or ("20030141075")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/13 20:59 |
| S50 | 9 | (("4,442,893") or ("4,375,237") or ("5,577,925") or ("4,921,438") or ("4,624,309") or ("4,757,859") or ("4,825,946") or ("4,828,027") or ("4,846,269")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/13 20:59 |
| S51 | 18 | (S47 S48 S49 S50) and ((optic\$2 near3 fiber) with connector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 21:00 |
| S52 | 5 | (S47 S48 S49 S50) and ((optic\$2 near3 cable) with connector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 21:00 |
| S54 | 151465 | ("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 16:59 |
| S55 | 281041 | ((drill\$4 logg\$3)) and (well wellbore (well adj1 bore)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 15:04 |
| S56 | 4770 | (optic\$2 near1 fiber) same ((temperature thermal thermo) near3 sens\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 15:04 |

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|-----|--------|--|---|----|-----|------------------|
| S57 | 262 | S54 and S55 and S56 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 15:04 |
| S58 | 151465 | ("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 16:59 |
| S59 | 151465 | ("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 18:48 |
| S60 | 26 | S59 and (optic\$2 near3 (fiber cable)) with anchor\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 18:45 |
| S61 | 3 | (("5,193,614") or ("5,269,377") or ("5,435,351")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/02/16 18:33 |
| S62 | 246 | S59 and (optic\$2 near3 (fiber cable)) and (gravel with pack\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 19:09 |
| S63 | 1 | 10/790908 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 18:47 |
| S64 | 1665 | S59 and (complet\$4 near2 string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 18:49 |
| S65 | 355 | S59 and (completion adj1 string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 18:54 |

| S66 | 69 | S59 and (completion adj1 string) with (production near3 string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 18:54 |
|-----|-----|--|---|----|----|------------------|
| S67 | 7 | S59 and (optic\$2 near3 (fiber cable)) and (gravel with pack\$3) with (completion adj1 string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 19:17 |
| S68 | 455 | 367/25.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 19:10 |
| S69 | 0 | 367/25.ccls. and (gravel near3 pack\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 19:11 |
| S70 | 109 | 367/25.ccls. and (string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 19:11 |
| S71 | 28 | S59 and (gravel with pack\$3) with (completion adj1 string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/16 19:17 |

PALM INTRANET

Day : Thursday Date: 2/16/2006 Time: 20:05:51

Inventor Name Search Result

Your Search was:

Last Name = RINGGENBERG

First Name = PAUL

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|-----------------|----------------|--------|-----------------|--|-------------------|
| 08238417 | 5558162 | 150 | 05/05/1994 | MECHANICAL LOCKOUT FOR PRESSURE RESPONSIVE DOWNHOLE TOOL | RINGGENBERG, PAUL |
| 08242567 | 5411097 | 150 | 05/13/1994 | HIGH PRESSURE CONVERSION FOR CIRCULATING/SAFETY VALVE | RINGGENBERG, PAUL |
| <u>08481555</u> | <u>5597016</u> | 150 | 06/07/1995 | MECHANICAL LOCKOUT FOR PRESSURE RESPONSIVE DOWNHOLE TOOL | RINGGENBERG, PAUL |
| 08481558 | 5518073 | 150 | 06/07/1995 | MECHANICAL LOCKOUT FOR PRESSURE RESPONSIVE DOWNHOLE TOOL | RINGGENBERG, PAUL |
| 08980597 | 6177882 | 150 | 12/01/1997 | ELECTROMAGNETIC -TO-ACOUSTIC AND ACOUSTIC-TO- ELECTROMAGNETIC REPEATERS AND METHODS FOR USE OF SAME | RINGGENBERG, PAUL |
| 08657236 | 5813460 | 150 | 06/03/1996 | FORMATION EVALUATION TOOL AND METHOD FOR USE OF THE SAME | RINGGENBERG, PAUL |
| 09036886 | 6098727 | 150 | 03/05/1998 | ELECTRICALLY INSULATING GAP SUBASSEMBLY | RINGGENBERG, PAUL |
| 09539457 | 6439324 | 150 | 03/30/2000 | ELECTRICALLY INSULATING GAP SUBASSEMBLY FOR DOWNHOLE ELECTROMAGNETIC TRANSMISSION | RINGGENBERG, PAUL |
| 09690767 | 6435282 | 150 | 10/17/2000 | ANNULAR FLOW SAFETY VALVE AND METHODS | RINGGENBERG, PAUL |
| 09848562 | <u>6536530</u> | 150 | 05/03/2001 | HYDRAULIC CONTROL SYSTEM FOR DOWNHOLE TOOLS | RINGGENBERG, PAUL |
| 09912262 | 6768214 | 150 | 07/24/2001 | VIBRATION BASED POWER GENERATOR | RINGGENBERG, PAUL |
| 09977026 | Not Issued | 164 | 10/12/2001 | APPARATUS AND METHOD FOR PERFORATING A SUBTERRANEAN FORMATION | RINGGENBERG, PAUL |
| 10268439 | Not Issued | 94 | 10/09/2002 | DOWNHOLE SEALING TOOLS AND METHOD OF USE | RINGGENBERG, PAUL |
| 10288794 | Not Issued | 61 | 11/04/2002 | Drilling formation tester, apparatus and methods of testing and monitoring status of tester | RINGGENBERG, PAUL |
| 10317319 | Not Issued | 41 | 12/12/2002 | Drilling formation tester, apparatus and methods of testing and monitoring status of tester | RINGGENBERG, PAUL |
| 10355444 | 6755249 | 150 | 01/31/2003 | APPARATUS AND METHOD FOR PERFORATING A SUBTERRANEAN FORMATION | RINGGENBERG, PAUL |
| 10438793 | Not Issued | 41 | 05/15/2003 | Hydraulic control and actuation system for downhole tools | RINGGENBERG, PAUL |
| 10648977 | Not Issued | 41 | 08/27/2003 | SINGLE PHASE SAMPLING APPARATUS AND METHOD | RINGGENBERG, PAUL |
| 10790908 | Not Issued | 71 | 03/02/2004 | Distributed temperature sensing in deep water subsea tree completions | |
| 10828085 | Not Issued | 30 | 04/20/2004 | Fiber optic wet connector acceleration protection and tolerance compliance | RINGGENBERG, PAUL |
| 10873849 | Not Issued | 30 | 06/22/2004 | Fiber optic splice housing and integral dry mate connector system | RINGGENBERG, PAUL |
| 11038369 | Not Issued | 41 | 01/19/2005 | Fiber optic delivery system and side pocket mandrel removal system | RINGGENBERG, PAUL |
| 11182641 | Not Issued | 30 | 07/15/2005 · | Safety valve apparatus for downhole pressure transmission systems | RINGGENBERG, PAUL |
| 60406619 | Not Issued | 159 | 08/27/2002 | Single phase sampling apparatus and method | RINGGENBERG, PAUL |
| <u>06566946</u> | Not Issued | 161 | 12/30/1983 | PACKER AND ACTUATION PORTION OF TUBING CONVEYED COMPLETION SYSTEM | RINGGENBERG, PAUL |
| 06567011 | Not Issued | 161 | 12/30/1983 | TUBING CONVEYED COMPLETION SYSTEM | RINGGENBERG, PAUL |
| 06596321 | 4633952 | 150 | 04/03/1984 | MULTI-MODE TESTING TOOL AND METHOD OF USE | RINGGENBERG, PAUL |
| 06697604 | 4619319 | 150 | 02/01/1985 | PACKER AND ACTUATION PORTION OF TUBING CONVEYED COMPLETION SYSTEM | RINGGENBERG, PAUL |

| <u>06751758</u> | <u>4753292</u> | 150 | 07/03/1985 | METHOD OF WELL TESTING | RINGGENBERG, PAUL D. |
|-----------------|----------------|-----|------------|--|----------------------|
| 06797375 | 4657082 | 150 | 11/12/1985 | CIRCULATION VALVE AND METHOD FOR OPERATING THE SAME | RINGGENBERG, PAUL D. |
| 06797727 | 4650001 | 150 | 11/12/1985 | ASSEMBLY FOR REDUCING THE FORCE APPLIED TO A SLOT AND LUG GUIDE | RINGGENBERG, PAUL D. |
| 06797730 | 4657083 | 150 | 11/12/1985 | PRESSURE OPERATED CIRCULATING VALVE WITH RELEASABLE SAFETY AND METHOD FOR OPERATING THE SAME | RINGGENBERG, PAUL D. |
| 06800172 | <u>4693316</u> | 150 | 11/20/1985 | ROUND MANDREL SLIP JOINT | RINGGENBERG, PAUL D. |
| 06808902 | 4667743 | 150 | 12/12/1985 | LOW PRESSURE RESPONSIVE TESTER VALVE WITH RATCHET | RINGGENBERG, PAUL D. |
| 06848428 | 4665983 | 150 | 04/03/1986 | FULL BORE SAMPLER VALVE WITH TIME DELAY | RINGGENBERG, PAUL D. |
| 06876967 | 4694903 | 150 | 06/20/1986 | FLAPPER TYPE ANNULUS PRESSURE RESPONSIVE TUBING TESTER VALVE | RINGGENBERG, PAUL D. |
| 06923800 | 4729430 | 150 | 10/27/1986 | PRESSURE LIMITER FOR A DOWNHOLE PUMP AND TESTING APPARATUS | RINGGENBERG, PAUL D. |
| 06948340 | 4711305 | 150 | 12/31/1986 | MULTI-MODE TESTING TOOL AND METHOD OF TESTING | RINGGENBERG, PAUL D. |
| <u>07078484</u> | 4817723 | 150 | 07/27/1987 | APPARATUS FOR RETAINING AXIAL MANDREL MOVEMENT RELATIVE TO A CYLINDRICAL HOUSING | RINGGENBERG, PAUL D. |
| 07269387 | 4848463 | 150 | 11/09/1988 | SURFACE READ-OUT TESTER VALVE AND PROBE | RINGGENBERG, PAUL D. |
| 07592686 | 5180015 | 150 | 10/04/1990 | HYDRAULIC LOCKOUT DEVICE FOR PRESSURE CONTROLLED WELL TOOLS | RINGGENBERG, PAUL D. |
| <u>07693759</u> | <u>5193621</u> | 150 | 04/30/1991 | BYPASS VALVE | RINGGENBERG, PAUL D. |
| <u>07737751</u> | 5291796 | 150 | 07/30/1991 | APPARATUS AND METHOD FOR DRAINING HIGH PRESSURE FLUID SAMPLES WITHOUT MERCURY | RINGGENBERG, PAUL D. |
| 07780161 | 5180007 | 150 | 10/21/1991 | LOW PRESSURE RESPONSIVE DOWNHOLE TOOL WITH HYDRAULIC LOCKOUT | RINGGENBERG, PAUL D. |
| 07807027 | 5236048 | 150 | 12/10/1991 | APPARATUS AND METHOD FOR COMMUNICATING ELECTRICAL SIGNALS IN A WELL, INCLUDING ELECTRICAL COUPLING FOR ELECTRIC CIRCUITS THEREIN | RINGGENBERG, PAUL D. |
| 07965100 | 5335731 | 250 | 10/22/1992 | FORMATION TESTING APPARATUS AND METHOD | RINGGENBERG, PAUL D. |
| 08004337 | 5341883 | 250 | 01/14/1993 | PRESSURE TEST AND BYPASS VALVE WITH RUPTURE DISC | RINGGENBERG, PAUL D. |
| <u>08157657</u> | 5423229 | 250 | 11/26/1993 | APPARATUS AND METHOD FOR DRAINING HIGH PRESSURE FLUID SAMPLES WITHOUT MERCURY | RINGGENBERG, PAUL D. |
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